



264184

BOARD OF TRUSTEES
 Hugh A. Williams, Jr.
 President
 Herbert R. Reich
 Vice-President
 Donald E. Eckmann
 Clerk



Downers Grove Sanitary District

2710 Curtiss Street
 P.O. Box 1412
 Downers Grove, IL 60515-1412
 1-312-969-0664

STAFF

Lawrence C. Cox
 General Manager
 Ralph E. Smith, Jr.
 Operations Director
 Sheila K. Henschel
 Administrative Services
 Director

LEGAL COUNSEL

Michael C. Wiedel

*Providing a Better Environment for South Central
 DuPage County*

April 24, 1990

Susan Grandle
 Human Resources Manager
 Tricon Industries, Inc.
 2325 Wisconsin Avenue
 Downers Grove, IL 60515

Dear Ms. Grandle:

The industrial wastewater discharge permit issued to Tricon in 1985 is scheduled to expire in October 1990. A permit application form is enclosed with this letter, which must be completed and submitted to the District to initiate the permit renewal process.

Where drawings or schematics are requested, if information has been previously submitted and no changes have been made since the original submission, indicate that on the application to avoid duplications.

The form is self explanatory for the most part but please feel free to call me if you have any questions.

Sincerely,
 DOWNERS GROVE SANITARY DISTRICT

Janet M. Lacina
 Laboratory Services Director

JML/jml
 Enclosure

Downers Grove Sanitary District
Discharge Permit No: 2
Issuance Date: October 15, 1985
Expiration Date: October 15, 1990

Permittee Name: Tricon Industries, Inc.
Permittee Address: 2325 Wisconsin
Downers Grove, Illinois 60515

Location of Premise Permitted: 2325 Wisconsin Avenue
Downers Grove, Illinois 60515

The above designated permittee is hereby authorized to discharge wastewater to the sanitary sewer system of the Downers Grove Sanitary District subject to said permittee's compliance with applicable pretreatment standards, District ordinances, and the terms and conditions of this permit. The permittee is not authorized to discharge wastewater to the District except by permit.

The permittee is not authorized to discharge after the above expiration date or the expiration date of any renewal of this permit. The permittee shall submit such information, forms, and fees as are required by the District not later than ninety (90) days prior to the above expiration date.

PERMITTEE:

TRICON INDUSTRIES, INC.

BY:

ATTEST:

DOWNERS GROVE SANITARY DISTRICT

BY:

ATTEST:

Assistant Clerk

I. Description of Permitted Discharge

The permitted industrial facility contains processes for the manufacture of electronic contacts which includes captive cleaning, finishing and electroplating operations. The pretreatment provided for wastewaters from the cleaning, finishing and electroplating processes consists of segregated cyanide destruction for cyanide containing wastes and final pH neutralization of all wastes, all as permitted by the Illinois Environmental Protection Agency under permit number 1984-EB-1508, dated December 13, 1984.

Wastewater flows during process operation are continuous and limited to process rinse water from the electroplating and finishing departments.

The wastewater discharge from the facility consists of 1) process wastewater from the electroplating and tumbling operations estimated at 6,000 - 8,500 gallons per day and 2) domestic sewage estimated at 8,000 - 11,000 gallons per day.

The point of discharge to the District sanitary sewer system is into District Manhole Number 2-A-54. An inspection manhole with access to the pretreatment system effluent currently exists inside the building.

II. Discharge Limitations

- A) The discharge from the finishing and electroplating operations to the pretreatment system shall not exceed 8,500 gallons during any day. The effluent from the pretreatment system shall comply with the following standards which are based on concentrations at the end of the treatment process before dilution with other wastes.

<u>Pollutant</u>	<u>Max Daily Conc (mg/l)</u>	<u>Max Monthly Avg (mg/l)</u>
Cadmium (Total)	0.11	0.07
Chromium (Total)	2.77	1.71
Copper (Total)	3.38	2.07
Lead (Total)	0.69	0.43
Nickel (Total)	3.98	2.38
Silver (Total)	0.43	0.24
Zinc (Total)	2.61	1.48
Cyanide (Amenable to Chlorination)	0.86	0.32
Cyanide (Total)	1.2	0.65
pH	6.0-9.0	6.0-9.0

If cyanide is sampled after the pH neutralization tank, the applicable limits as calculated using the Combined Waste Stream Formula and process flows of 90 gallons per hour cyanide bearing waste and 505 gallons per hour total flow are as follows:

	<u>Max Daily Conc (mg/l)</u>	<u>Max Monthly Avg (mg/l)</u>
Cyanide (Amenable to Chlorination)	0.15	0.06
Cyanide (Total)	0.21	0.12

- B) Total toxic organics (TTO) is defined as the summation of all quantifiable values greater than 0.01 mg/l for the specified toxic organics in the regulation. The compliance dates and limits which apply are specified below:

<u>TTO Compliance Date</u>	<u>Daily Maximum (mg/l)</u>	<u>Maximum Monthly Average (mg/l)</u>
June 30, 1984	4.57	
February 15, 1986	2.13	

- C) Plating solutions and sludge from the electroplating or pretreatment systems shall not be discharged into the Districts system but shall be disposed of in an approved landfill or by other approved method.
- D) All discharges from this facility shall be in compliance with the ordinances of the District, statutes of the State of Illinois and regulations of the U.S. Environmental Protection Agency and the Illinois Environmental Protection Agency, as currently in effect or as amended from time to time during the term of this permit.
- E) The discharge from this facility shall not produce any adverse effects on the District sanitary sewer service that would endanger private or public property, the public health, the integrity of the receiving stream, and/or the treatment processes of the District Wastewater Treatment Center.

III. Self-Monitoring and Reporting Requirements

- A) The permittee shall take one grab and one daily composite sample either manual or automatic, consisting of hourly grab samples which are composited proportionally to flow, on the pretreatment system discharge, every other finishing/plating department working day. A minimum of ten (10) days shall be sampled per month. The District may reduce the frequency of sampling based on the analytical results submitted by the permittee. The samples shall be representative of the volume and nature of the discharge. The samples shall be analyzed for cyanide (amenable), copper, nickel, silver, and pH.
- B) The permittee shall report the results of the above analyses to the District on a quarterly basis. The reports shall be due on or before the twentieth day of the month following the end of each calendar quarter (April, July, October, January). Such reports shall include:
- Sample dates and times
 - Dates analyses were performed
 - The person(s) performing the analyses if done in house
 - The name of the commercial laboratory if done outside
 - Daily water use in the finishing/plating department
 - Volumes of spent plating solutions and metal sludges disposed of including the name of the hauler, and the ultimate destination.

Any accidental discharges of toxic materials to the sanitary sewer must be described. If none have occurred during the reporting period, the following certification statement should be included:

"Based on my inquiry of the person or persons directly responsible for managing compliance with the pretreatment standards for total toxic organics and spill containment, I certify that, to the best of my knowledge and belief, no dumping of concentrated toxics or toxic organics has occurred since filing the last discharge monitoring report. I further certify that this facility is implementing the solvent management plan submitted to the District."

- C) The permittee shall annually take one twenty-four (24) hour sample of the pretreated process wastewater discharge. This sample shall be analyzed by the permittee for all the parameters in Section IIA, except analysis is required for only one form of cyanide, Total or Amenable.
- D) The permittee shall notify the District immediately upon any accidental or slug discharge to the District system.
- E) All measurements, tests, and analyses to which reference is made in this permit shall be determined and performed in accordance with the procedures established by the USEPA Administrator pursuant to Section 304 (g) of the Clean Water Act and contained in 40 CFR Part 136 and amendments thereto or with any other test procedures approved by the Administrator. Sampling shall be performed in accordance with the techniques approved by the Administrator. Where 40 CFR Part 136 does not include sampling or analytical techniques for the pollutants in question, or where the Administrator determines that the Part 136 sampling and analytical techniques are inappropriate for the pollutant in question, sampling and analyses shall be performed using validated analytical methods or any other sampling and analytical procedures approved by the Administrator.

IV. Permit Compliance

- A) The permittee shall install and maintain any equipment and implement any measures as are required to maintain compliance with the discharge limitations stated in Section II, Subparagraphs A through E.
- B) In the event the permittee does not comply with the conditions of this permit, the Manager of the District shall immediately notify the permittee in writing of the specific violation of this permit. The permittee shall be given ten (10) working days from the receipt of the aforementioned notification to respond to District in writing, detailing the steps taken or to be taken by the permittee to prevent a recurrence of the cited violation. In the event the Manager of the District determines that the permittee's action will not prevent the recurrence of a violation of this permit, the Manager will notify the permittee in writing of the measures and/or devices that the permittee must institute to comply with the conditions of this permit and the time period in which said measures and/or devices must be implemented. The above provisions are in addition to, not in lieu of, any other enforcement remedies available to the District.

V. General Conditions

- A) All discharges authorized herein shall be consistent with the terms and conditions of this permit. In the event the type, quality or volume of wastewater from the subject facility is expected to materially and substantially change, the permittee shall give a thirty (30) day notice in writing to the District and shall make a new application to the District prior to said change. The permittee shall not materially or substantially change the type, quality, or volume of its wastewater beyond that allowed by this permit without prior approval of the District.
- B) The permittee shall allow representatives of the Downers Grove Sanitary District, upon the presentation of credentials, ready access at all reasonable times to all parts of the permittee's premises for the purposes of inspection, sampling, records examination or other tasks necessary to monitor and insure compliance by the permittee with the terms and conditions of this permit. The permittee hereby licenses the District the right to use the existing roadway, parking lot and surface areas of the permittee's facility for the purpose of collecting samples and making inspections of the wastewater discharges to the District system.
- C) All monitoring reports required by this permit will be available for public inspection at the District offices.
- D) The permittee shall retain for a minimum of three (3) years and afford the District access to any and all records of monitoring activities, and results relating to wastewater discharge from the subject facility.
- E) This permit is issued to the named permittee for the specific operations permitted and is not transferable or assignable without the approval of the District.
- F) Nothing in this permit shall be construed to preclude the institution of any legal action nor relieve the permittee from any responsibilities, liabilities, or penalties established pursuant to any State, Federal, or local laws.
- G) In the event a court of competent jurisdiction determines that any portion(s) of this permit is invalid, such determination shall not affect the validity of the remaining portions of this permit.

VI. Term of Permit

- A) The term of this permit shall be from the issuance date of this permit until the stated expiration date. Provided, however, that the permit is contingent upon the issuance of a NPDES permit to the District. Provided further, that in the event a valid law, regulation, or ordinance requires the amendment of the terms and conditions of this permit prior to its anticipated expiration date, the District may amend this permit upon sixty (60) days written notice to the permittee.